

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

## Agius, Thomas.

Monthly characteristics of the weather of Malta. Malta. 1918. cover-title, 12 p. illus. 19 cm. (Extract from the General guide of Malta and Gozo for the year 1918.)

Una visita all'Osservatorio meteorologico dell'Università. Malta. 1916. cover-title, 7 p. 19 cm. (Estratto dalla Guida di Malta e Gozo di G. Muscat. Anno 1916.)

## Alfani, Guido.

Lettura pireliometriche eseguite nel periodo giugno, 1915—dicembre, 1917. Firenze. 1918. 2 v. tables. charts. diagrs. 24 cm. (Pubblicazioni dell'Osservatorio Ximeniano dei P. P. Scopoli, Firenze. Num. 123 & 125.)

**British rainfall.** 1917 . . . The fifty-seventh annual volume. London. 1918. 240 p. front. (fold. map) charts. tables. 22 cm.

**The Evolution of the earth and its inhabitants;** a series of lectures delivered before the Yale chapter of the Sigma Xi during the academic year 1916–17, by Joseph Barrell, Charles Schuchert, and others. New Haven. 1918. xi, p., 1, 208 p. front. illus. plates. maps. diagrs. 23 cm. [Chapter 2.—The earth's changing surface and climate, by C. Schuchert. Chapter 5.—Climate and the evolution of civilization, by E. Huntington.]

## Ewing, E. C.

A study of certain environmental factors and varietal differences influencing the fruiting of cotton. Agricultural college, Miss. 1918. 93 [2] p. 40 charts, 23 tables. 21 $\frac{1}{2}$  cm. At head of title: Mississippi agricultural experiment station. Technical bulletin no. 8. [Discusses meteorological influences.]

## Fontserè y Riba, Eduardo.

Treballs de l'Estació aerològica de Barcelona. I serie, any 1914. Barcelona. 1915. 1., 117 p. charts. tables. 23 cm. At head of title: Publicacions de l'Institut de ciències.

## Fujiwhara, Sakuhei.

On the theory of the Lowitz's arc and allied phenomena. Tōkyō. [1918] diagrs. 26 $\frac{1}{2}$  cm. (Reprinted from . . . Proceedings of the Tōkyō mathematico-physical society. 2d ser. Vol. 9, No. 21. p. 502–515.)

## Gautier, Raoul &amp; Rod, Ernest.

Moyennes de 10 à 20 ans pour les éléments météorologiques observés aux fortifications de Saint-Maurice, 1908–1917 et 1898–1917. Genève. 1918. 14 tables. 22 $\frac{1}{2}$  cm. (Extrait des Archives des sciences physiques et naturelles. Volume 46. Septembre 1918. p. [151]–176.)

Nouvelles moyennes pour les principaux éléments météorologiques de Genève de 1826 à 1915 ou 1917. Genève. 1918. 14 tables. 22 $\frac{1}{2}$  cm. (Extrait des Archives des sciences physiques et naturelles. Volume 46. Octobre 1918. p. [210]–230.)

## Geneva. Observatoire.

Observations météorologiques faites aux fortifications de Saint-Maurice pendant l'année 1917, par Raoul Gautier et Ernest Rod. Genève. 1918. 57 p. incl. tables. 22 $\frac{1}{2}$  cm. (Extrait des Archives des sciences physiques et naturelles, septembre et octobre 1917; janvier, février et juin, 1918.) Résumé météorologique de l'année 1917 pour Genève et le Grand Saint-Bernard, par Raoul Gautier. Genève. 1918. 104 p. incl. tables. 22 $\frac{1}{2}$  cm. (Tiré des Archives des sciences physiques et naturelles, avril et mai, 1918.)

## Great Britain. Meteorological office.

The observer's handbook. Approved for the use of meteorological observers by the Meteorological office, the Royal meteorological society, the Scottish meteorological society, the British rainfall organization. Annual edition, 1918. London. 1918. xxviii, 139 p. plates. illus. tables. (part. fold.) 25 cm. M. O. 191. (1918.)

## Griffiths, Ezer.

Methods of measuring temperature . . . London. 1918. xi, 176 p. illus. charts. tables. diagrs. 23 cm. [References at end of each chapter.]

## Houk, Ivan E.

Calculation of flow in open channels. Dayton, O. 1918. 283 p. plates. maps. charts. tables. diagrs. (part. fold.) 23 $\frac{1}{2}$  cm. (State of Ohio. The Miami conservancy district. Technical reports. Part 4.)

## Indo-China. Service météorologique.

Régime pluviométrique de l'Indochine, par G. LeCadet. Hanoi-Haiphong. 1917. cover-title, 50 p. charts (part. fold.) tables. 28 cm. At head of title: Observatoire central de l'Indochine. [Includes annual and monthly isohyetal charts based on ten years' records.]

## Malta. University. Meteorological observatory.

Meteorological observations, 1917. [Malta. 1918.] cover-title, [5] p. incl. tables. 33 cm.

## Meggers, William F. &amp; Peters, C. G.

Measurements on the index of refraction of air for wave lengths from 2218 Å to 900 Å. Washington. 1918. plate. fold. chart. tables. diagrs. 25 $\frac{1}{2}$  cm. At head of title: Department of commerce. Scientific papers of the Bureau of standards . . . No. 327.

## Milan. R. Osservatorio astronomico di Brera.

Osservazioni meteorologiche e geofisiche fatte durante l'anno 1917. Serie 3. Volume 9. Milano. 1918. iv, 43 p. incl. tables. 30 cm. At head of title: Pubblicazione del Reale osservatorio astronomico di Brera in Milano.

## Mizusawa. International latitude observatory.

Annual report of the meteorological and the seismological observations for the year 1917. Mizusawa. 1918. 2 p. l., 40 p., l. incl. tables. 30 cm. Final leaf in Japanese.

## Osaka. Meteorological observatory.

Annual report for the year 1917. Part 1. Meteorological observations in Osaka, 1917. Osaka. 1918. cover-title, unp. plates. fold. charts. 25 $\frac{1}{2}$  cm. Text in Japanese.

## Panama Canal. Governor.

Annual report for the fiscal year ended June 30, 1918. Washington. 1918. xii, 392 p. plates (part. fold.) charts. tables. diagrs. (part. fold.) 23 cm. [Meteorology and hydrology, p. 81–99.]

## Platania, Giovanni.

Le unità assolute in meteorologia. Roma. 1918. 8 p. 23 $\frac{1}{2}$  cm. At head of title: "Revista marittima." Estratto dal fascicolo di ottobre 1918.

## Rouch [Jules Alfred Pierre].

Note sur les grains. Paris. 1918. 15 typewritten p. illus. charts. 31 cm. At head of title: Ministère de la marine. D. G. S. M. S. A. Météorologie.

## St. Croix. Agricultural experiment station.

Report for the year from 1st July, 1914, to 30th June, 1915, by Dr. Longfield Smith. Copenhagen. 1916. 36 p. incl. tables. fold. plan. 25 $\frac{1}{2}$  cm. [Rainfall data for St. Croix for 63 years.]

## Sampson, Arthur W.

Climate and plant growth in certain vegetative associations. Washington. 1918. cover-title, 72 p. illus. charts. tables. 23 cm. At head of title: U. S. Department of Agriculture. Bulletin no. 700. Contribution from the Forest service . . . Professional paper.

## Vercelli, Francesco.

Analisi armonica dei barogrammi e previsione della pressione barometrica. Roma. 1915. cover-title. charts. 28 $\frac{1}{2}$  cm. (Rendiconti della R. Accademia dei Lincei. Classe de scienze fisiche, matematiche e naturali. Estratto dal vol. 24. serie 5a, 1° sem. fasc. 11, p. [1120]–1125.)

Presagi meteorici in rapporto alle operazioni di guerra (Campagna 1917) [Rome?] 1918. cover-title, 27[1] p. charts (part. fold.) 31 $\frac{1}{2}$  cm. At head of title: Comando della 3a armata. Stato maggiore. Sezione servizi (3a). Servizio meteorologico. N. 800 Prot. serv. 8 gennaio, 1918.

Sul valore meccanico e fisico delle differenze e delle tendenze barometriche. charts. 24 $\frac{1}{2}$  cm. (Estr. dagli Atti della Reale accademia delle scienze di Torino, vol. 53, p. [237]–244. Adunanza del 13 Gennaio 1918.)